



Școala Doctorală de Chimie

TEMATICA PENTRU CONCURSUL DE ADMITERE LA DOCTORAT sesiunea septembrie 2021

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1. Azaheterocicli de cinci și șase atomi cu activitate anticanceroasă și antimicrobiană (ro)
Five and six member ring azaheterocycles with anticancer and antimicrobial activity (en)

Bibliografie/References

1. Antoci, V., Cucu, D., Zbancioc, Ghe., Moldoveanu, C., Mangalagiu, V., Amariuca-Mantu, D., Aricu, A., Mangalagiu, I.I., Bis-(imidazole/benzimidazole)-pyridine derivatives: synthesis, structure and antimycobacterial activity. Part XII, *Future Medicinal Chemistry*, 12, 207-222, **2020**.
2. Olaru, A., Vasilache, V., Danac, R., Mangalagiu I.I., Antimycobacterial activity of nitrogen heterocycles derivatives: 7-(pyridine-4-yl)- indolizine derivatives. Part VII, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 32, 1291-1298, **2017**.
3. Mantu, D., Antoci, V., Moldoveanu, C., Zbancioc, Ghe., Mangalagiu, I.I., Hybrid imidazole (benzimidazole) / pyridine (quinoline) derivatives and evaluation of their anticancer and antimycobacterial activity, *Journal of Enzyme Inhibition And Medicinal Chemistry*, 31, 96-103, **2016**.
4. Mantu, D., Antoci, V., Nicolescu, A., Deleanu, C., Vasilache, V., Mangalagiu, I.I., Synthesis, stereochemical studies and antimycobacterial activity of new acetylhydrazines pyridazinone, *Current Organic Synthesis*, 14, 112-119, **2017**.
5. Zbancioc, Ghe., Zbancioc, A.M., Mangalagiu, I.I., Ultrasound and microwave assisted synthesis of dihydroxyacetophenone derivatives with or without 1,2-diazine skeleton, *Ultrasonics Sonochemistry*, 21, 802-811, **2014**.
6. Kuchkova, K., Aricu, A., Barba, A., Vlad, P., Shova, S., Secara, E., Ungur, N., Zbancioc, Ghe., Mangalagiu, I.I., An efficient and straightforward method to new homodrimane sesquiterpenoids with diazine units, *Synlett*, 24, 697-700, **2013**.
7. Mantu, D., Luca, M.C., Moldoveanu, C., Zbancioc, Ghe., Mangalagiu I.I., Synthesis and antituberculosis activity of some new pyridazine derivatives, Part II, *Eur. J. Med. Chem.*, 45, 5164-5168, **2010**.

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